

EMWIN-N Signal Specification

Downlink Frequency:	1692.700 MHz
Modulation:	BPSK, NRZ-L
User Data Rate:	9.6 kbps
RF Symbol Rate:	22.080 kbps
Pulse Shape Filter:	Close approximation to a square root raised cosine filter with excess bandwidth factor of 1.0
Satellite Transmit EIRP:	44.8 dBmi (minimum)
FEC Code:	Inner Convolutional code rate $\frac{1}{2}$ concatenated with an outer Reed Solomon (255, 223) code. (I = 4, K = 7, NO G2 inversion)
Block (CADU) Size:	8192 bits (including ASM)
Attached Sync Marker:	32 bits (Hexadecimal '1ACFFC1D')
Randomization:	$h(x) = x^8 + x^7 + x^5 + x^3 + 1$ (initialized to all 1s)